

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2003/001644

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04Q 7/30, H04L 12/56

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04Q, H04J, H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002131372 A1 (RINCHIUSO, J), 19 Sept 2002 (19.09.2002), [0010]-[0029], CLAIMS 1-20, ABSTRACT	15-19,21
A	--	1-14,20, 22-29
A	WO 0209463 A1 (NOKIA CORP), 31 January 2002 (31.01.2002), page 6, line 34 - page 11, line 20, claims 1-20, abstract	1-19
A	EP 1331765 A1 (FUJITSU LTD), 30 July 2003 (30.07.2003), claims 1-11, abstract	1-29
	--	

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

27 April 2004

Date of mailing of the international search report

2004-05-19

Name and mailing address of the ISA/

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

Authorized officer

Roger Bou Faisal /LR

Telephone No. +46 8 782 25 00

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2003/001644

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1379033 A1 (SIEMENS MOBILE COMMUNICATIONS S.P.A.), 7 January 2004 (07.01.2004), claims 1-6, abstract --	1-29
A	US 2003005091 A1 (ULLMANN, L E ET AL), 2 January 2003 (02.01.2003), see whole document --	1-29
A	US 2002167961 A1 (HAARTSEN, J C), 14 November 2002 (14.11.2002), claims 1-36, abstract --	1-29

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
**PCT/SE 2003/001644**

US	2002131372	A1	19/09/2002	NONE		
WO	0209463	A1	31/01/2002	AU	7984801 A	05/02/2002
				CN	1449633 T	15/10/2003
				EP	1325647 A	09/07/2003
				FI	20001705 A	25/01/2002
				US	2003142657 A	31/07/2003
EP	1331765	A1	30/07/2003	CN	1433196 A	30/07/2003
				JP	3451440 B	29/09/2003
				JP	2003218888 A	31/07/2003
				US	2003137986 A	24/07/2003
EP	1379033	A1	07/01/2004	NONE		
US	2003005091	A1	02/01/2003	NONE		
US	2002167961	A1	14/11/2002	WO	02069571 A	06/09/2002